BRUHAT BANGALORE MAHANAGARA PALIKE
RAJARAJESHWARINAGAR ZONE
ELECTRICAL DIVISION
DETAILED ESTIMATE FOR PUBLIC WORKS

Name of the Work: Upgrading of Street Lighting system in wrd No 16							
Est. No.AEE/ELE/RRNZ/ EST/ / 17-18				Job Code:016-17-000012			Est Amount: Rs 100000.00
Sl No	SR ref		Description of Work	unit	Qty	Rate	Amount
	page	sl no					
1	56	7.6.4	Supplying of 1.1KV grade Aerial Bunched Cable Stranded & Compacted Aluminum Phase Conductor, and Stranded Messenger Conductor with all aluminum Alloy, Phase Conductor is insulated with XLPE Compound, insulated Messenger with specified IS-14255:1995 & confirming to GTP of GROUP-A.2 X 25 + 1 X 25 SQ.MM	Mtr	125	143.00	17875.00
2			Supplying and fixing of Dead End Clamp/ Anchor clamps assembly 25 to 95 sqmm bear messanger (Excluding Pole clamp and Eye bolt) CDS-37 Bescom SR-16-17	Each	3	315.00	945.00
3			Supplying and fixing of suspension clamp assemblly 25 to 95 sqmm bear messanger (Excluding Pole clamp and Eye bolt) CDS-37 Bescom SR-16-17)	Each	5	305.00	1525.00
4			Supplying and fixing of Pole clamp for LT/HT CABLE along with eyebolt for Fixing Clamp . CDS-37 Bescom SR-16-17	Each	5	382.00	1910.00
5			Supplying and fixing of Universal Hook with bolts & nuts CDS-37 Bescom SR-16-17	Each	5	420.00	2100.00
6			Supply and Installation of Piercing Connector suitable for 16 sqmm to 95 sqmm AB Cable - street lights connection. (Bescom Common SR 16-17, CDS No-37)	Nos	5	214.00	1070.00
7	15	3.3.A.1	Supply and fixing of Bakelite D.P/Socket/ switch with/without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854 GROUP A 32Amps Flush/projected type DP switch	Each	10	187.00	1870.00
8	47	6.16.6	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.40-63Amps TPN	Each	3	1936.00	5808.00
9	46	6.12.3	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.60-70Amps	Each	3	4774.00	14322.00

10	51	6.46	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.	Each	3	4586.00	13758.00
11	55	7.4.4	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A. 4 core 16 sqmm	Per Mtr	50	140.40	7020.00
12	61	7.8.A.1	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct. 6 sqmm to 16 sqmm	Per Mtr	50	10.80	540.00
13	62	7.9.1	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)In soil (ordinary)	Per Mtr	40	78.00	3120.00
14	12	2.12.1	Wiring for lighting / power circuit using one of pvc insulated 1100v grade stranded aluminum unsheathed wire single core cable in open or concealed system of wiring as per IS - 694 : 1990 4sq mm	Mtr	100	7.50	750.00
15	49	6.40.2	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete. 16SWG each 35000, 2 panels	sqcm	70000	0.33	23100.00
16	49	6.39.1	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint -40x40x6mm	mtr	14	263.00	3682.00
17	6	2.5.5	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A. 6 sqmm	Per Mtr	9	63.80	574.20
			miscellaneous & round off		L/S		30.80
			Total Rs				**100000.00**
RS ONE LAKHS ONLY							

Certificate:-

1) Certified that,the work spot has been inspected by me & prepared the estimate in most economical way of executing the work.

2.) The Provisions made in the estimate are adequate and are necessary.

3.) The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.

4.) The rates in the Estimate is based on the PWD Electrial SR-2014-15 and Lowest quotation approved rates of CE RR Nagar.

Junior Engineer(Electrical)
RR Nagar Zone
BBMP

Assistant Executive Engineer(Elect)
RR Nagar Zone
BBMP

Executive Engineer(Elect)
RR Nagar Zone

Administrative Sanctioned for Rs. 100000-00

Rs. Rupees one lakh only

.....Is accorded

under the head...P.1517.....

By EE (Elect) RRN/..page 18 & 19

Registered as EE (Elect)RRN/No. 54/17-18 Subject to conditions contained in enclosed memo

No. 54/17-18 Date. 10/1/18

AE, (Elect) RRN

EE, (Elect) RRN

Technically Sanctioned for Rs. 100000-00

Rs. Rupees one lakh only

.....Is accorded

under the head...P.1517.....

By EE (Elect) RRN/..page 22 & 23

Registered as R.R.N. No. 61/17-18 Subject to conditions contained in enclosed memo

No. 61/17-18 Date. 16/1/18

AE, (Elect) RRN

EE, (Elect) RRN